SAMSUNG COLOUR TELEVISION

Owner's Instructions

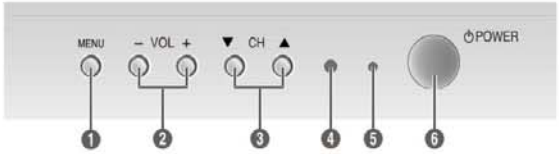
Before operating, please read this manual thoroughly, and retain it for future reference.

Register your product at www.samsung.com/global/register.
Record your Model and Serial number.
• Model _____ • Serial No. _____

Control Panel (depending on the model)

☒ The product colour and shape may vary depending on the model.

Front (or Side) Panel



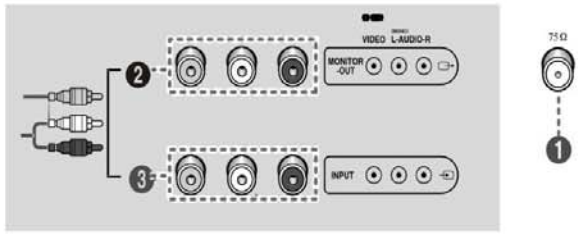
❶ On-screen menu display
❷ Volume adjustment
❸ Channel selection
❹ Remote control sensor
❺ Standby indicator
❻ Power on/off

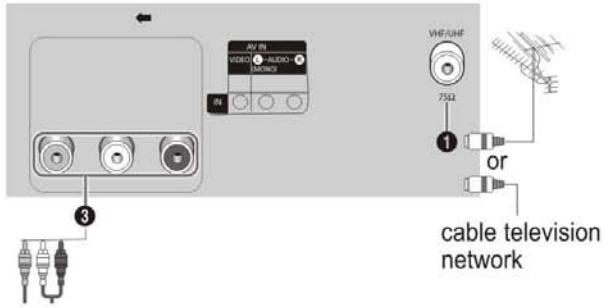
- You can use the ❸ buttons to switch the TV on when it is in standby mode depending on the model.
- The ❷ and ❸ buttons also have the same function as the ◄/►/▲/▼ buttons on the remote control.
- If the remote control no longer works or you have misplaced it, you can use the controls on the panel of the television.

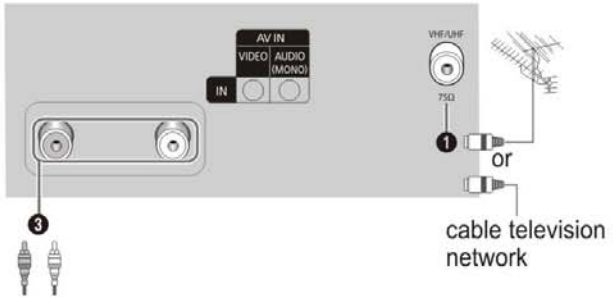
Connection Panel (depending on the model)

☒ The product colour and shape may vary depending on the model.

Rear Panel







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☛ Whenever you connect an audio or video system to your television, ensure that all elements are switched off.
☛ Please be sure to match the colour coded input terminals and cable jacks.

Connecting to an Aerial or Cable Television Network

Connect the aerial or network input cable to the ❶ (75 Ω coaxial socket). To view television channels correctly, a signal must be received by the set from one of the sources: an outdoor aerial, cable television network, or satellite network. If you are using an indoor aerial, you may need to adjust it when tuning your television until you obtain a picture that is both sharp and clear.

Connecting to the RCA Output (depending on the model)

The RCA ❷ connectors are used for equipment, such as a recording VCR or audio system.

Connecting to the RCA Input

The RCA ❸ connectors are used for taking input from equipment, such as a VCR, DVD, decoder, satellite receiver, video game device, or video disc player. (When using the mono equipment, connect to the **AUDIO-L of** ❸ input connector.)

➢ You can press **TOOLS** button to enter **DUALI-II** to choose Mono or Stereo.

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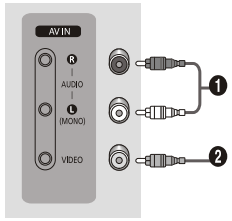
(depending on the model)

Front (or Side) Panel



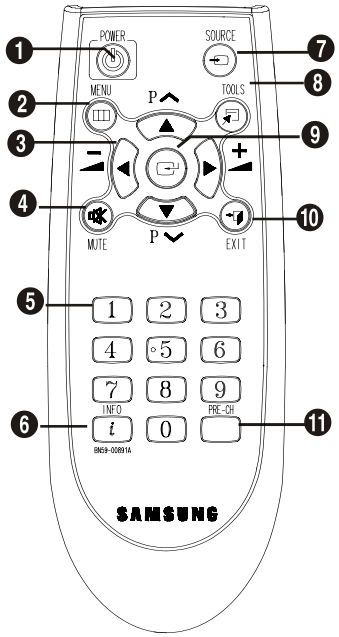
❶ Audio input
❷ Video input

Connecting to the RCA Input

The ❶ (**AUDIO-L/R** or **AUDIO**) and ❷ (**VIDEO**) connectors are used for taking input fromequipment, such as a camcorder, video disc player, or video game device.

Remote Control (depending on the model)

➢ Operation of remote control may be affected by bright artificial light near to the TV.



❶ **POWER**
Used to switch the TV on and off.

❷ **MENU**
Used to display the on-screen menu or return to the previous menu.

❸ **▲/▼/◀/▶**
Used to control the cursor in the menu.

P ∧ / ∨
Used to display the next or previous stored channel

◢ + / -
Used to increase or decrease the volume.

❹ **MUTE**
Used to switch the sound off temporarily. To turn the sound back on, press the **MUTE**, **◢ +** button.

❺ **Numeric buttons**
Used to select channels directly.

❻ **INFO**
Used to view the channel information and setting status you selected & switch to TV also

❼ **SOURCE**
Used to display all of the available video sources.

❽ **TOOLS** (depending on the model)
You can check the following selection by pressing Tools button.

1. **Easy View**(For using Easy View)
2. **Game**(Used to play the game)
3. **Sleep Timer**(Used to select a preset time interval for automatic turn off.)
4. **Picture Mode**(Used to select the picture effect.)
5. **Sound Mode**(Used to select the sound effect.)
6. **Turbo Plus** (Used to select the turbo Plus option)
7. **Equalizer** (Used for Equalizer setting)
8. **Channel Scan**(For RF sources) or **Dual I-II Mono Stereo** (for Non RF sources) When AV component is used then Dual I-II option appears for mono/stereo sound quality setting and when RF signal is used then channel scan option appears for full scanning of stored channels.

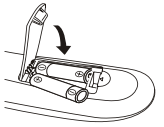
❾ **ENTER**
While using the on-screen menus, press the **ENTER** button to activate (or change) a particular item.

❿ **EXIT**
Used to exit from any display or return to normal viewing.

⓫ **PRE-CH**
Used to switch repeatedly between the last two channels displayed.

Installing Batteries

Remove the cover. Install two AAA size batteries, then replace the cover.
When the remote control does not operate normally, check that the "+" and "–" ends of the batteries are inserted correctly or the batteries are drained.



➢ Do not mix battery types, i.e. alkaline and manganese.

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Turning the TV On

Press the " POWER " button,or P∧/∨ button, or **Numeric** button on the remote control. You can also use the " ⏻ " button on the TV.

➢ Caution: One pole switch is totally not off (one line still live) if power cord is not unplugged.

Viewing the Menus

1 Press the **MENU** button.
The main menu is displayed on the screen. Its left side has five icons: **`Input`**, **`Picture`**, **`Sound`**, **`Channel`**, and **`Setup`**.

2 Press the ▲ or ▼ button to select one of the icons.
Press the **ENTER** button to access the icon's sub-menu.

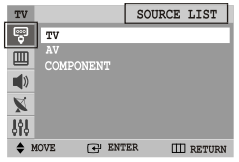
3 Press the ▲ or ▼ button to move to items in the sub-menu.
Press the **ENTER** button to enter items in the sub-menu.

4 Press the ▲/▼/◀/▶ button to change the selected items. Press the **MENU** button to return to the previous menu.

5 Press the **EXIT** button to exit from the menu.

Input
Source List (depending on the model)

◆ **`Source List`**
You can switch between viewing signal from connected equipment, such as a VCR, DVD, set-top box, and the TV source (broadcast or cable).

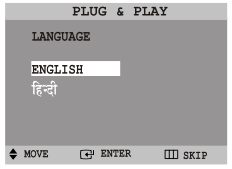


➢ You can change the required external source simply by pressing the **Source** button on the remote control. It might take a short period of time for pictures to be switched. To return to the TV mode, press the **Source** or Key numeric button on the remote control.

Setup - Plug & Play

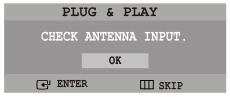
When the television is initially powered on, several basic customer settings proceed automatically and subsequently. The following settings are available.

1 If the television is in standby mode, press the **POWER** button on the remote control.
The **`Start Plug & Play`** is displayed. To start Plug & Play, press the **ENTER** button. The **`Language`** menu is displayed.



➢ The **`Language`** menu will automatically appear after several seconds, even if the **ENTER** button is not pressed.

2 Select the appropriated language by pressing the ▲ or ▼ button. Press the **ENTER** button.
The **`Check antenna input.`** is displayed.



➢ If any language is not selected, the language menu will disappear about 30 seconds later.

3 Make sure that the antenna is connected to the television (refer to page 1). Press the **ENTER** button.

4 To search the channels, press the **ENTER** button. To stop the search, press the **ENTER** button.
When the channel searching has finished, the **`Clock Set`** menu is displayed.

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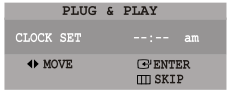
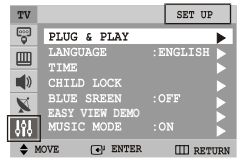
6 Press the ◀ or ▶ button to move to the hour or minute. Set the hour or minute by pressing the ▲ or ▼ button.



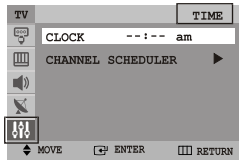
7 When you have finished, press the **MENU** button.
The **`Enjoy your viewing.`** is displayed, and then the channel which has been stored will be activated.

Re-setting the Plug & Play
Method: MENU ➜ ▲/▼ (`Setup`) ➜ ENTER ➜ ▲/▼ (`Plug & Play`) ➜ ENTER



Setup - Time (depending on the model)

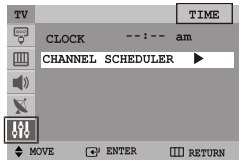
◆ **Clock**
You can set the television clock so that the current time is displayed when pressing the **INFO** button on the remote control. You must also set the time if you wish to use the automatic on or off timers.

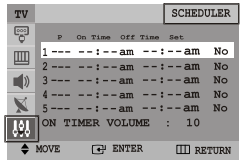


Setup - Time - Scheduler (depending on the model)

Channel Schedular changes the channel automatically Schedular on preset time. You can schedule upto 5 channels as per your choice.
By selecting ON/OFF timer for each selected program the television will switch On/Off or switch to selected channel at the time you select.

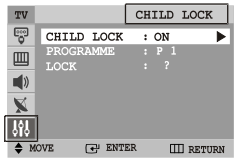
☛ You must set the clock first.





Setup - Child Lock

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio. Child Lock cannot be released using front (or side) panel buttons. Only remote control can release the Child Lock setting, so keep the remote control away from children.

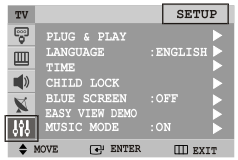


◆ **Child Lock: On/Off**
If you want to unlock a channel, set to **Off**.
◆ **Programme:** Channel number to be locked.
◆ **Lock:** When press the **ENTER** button, the **Locked** is displayed.

➢ If any channel is locked, you can not access to the **Channel** and **Child Lock** menu by using the control buttons on the TV panel (the **Not available** is displayed in the **Child Lock** menu). You can access by using the remote control only.

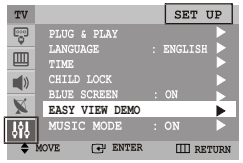
Setup - Language / Blue Screen / Easy View Demo

◆ **Language**
It is variable depending on the model. When you start using the television for the first time, you must select the language which will be used for displaying menus and indications.

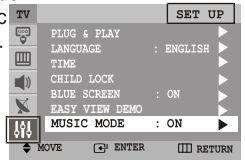


◆ **Blue Screen**
If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the **Blue Screen** to **Off**.

◆ **Easy View Demo**
To become familiar with the various features provided in Easy View. You can view in built demonstration of each Easy View feature displayed, in turn to exit from the demonstration, Press the EXIT Key.

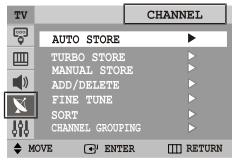


◆ **Music Mode** (depending on the model)
When music mode is selected only music is audible & no picture is visible. In this mode screen becomes blank & music icon is displayed on screen.
➢ This feature allows to prevent unauthorized user such as children from watching unsuitable picture by muting out video.



Channel - Auto Store

You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.



Channels are sorted and stored in the order which reflects their position in the frequency range (with lowest first and highest last). The programme originally selected is then displayed.

➢ To stop the search before it has finished, press the **ENTER** button.

When finished, the **Sort** menu is displayed. To sort the stored channels into the desired numerical order, refer to "Channel - Sort". To exit without sorting, press the **EXIT** button.

Channel -Turbo Store

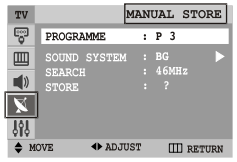
Using Turbo search you can store all the channels found in your country in much less time compared to auto store.
The channels are stored in the order in which they appear in the frequency bands. It is possible that the automatically allocated numbers may not correspond to those by which you wish to identify the channels.

➢ To store channels using turbo store, select channel menu. Go to Auto Store & then select Turbo Store by pressing the ENTER button.

Note : It is recommended to use autostore as a couple of channels could be skipped using "Turbo-Store".

Channel - Manual Store

You can store channels, including those received via cable networks. When storing channels manually, you can choose:



- Whether or not to store each of the channels found
- The programme number of each stored channel which you wish to identify

◆ **Programme** (Programme number to be assigned to a channel)

◆ **Sound System: BG/DK/I/M**

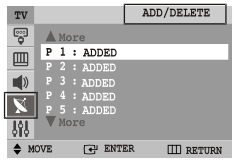
◆ **Search :**
The tuner scans the frequency range until the first channel or next channel of that you selected is received on the screen.

◆ **Store** (When you store the channel and associated programme number)

➢ If there is no sound or abnormal sound, re-select the sound standard required.

Channel - Add/Delete

You can exclude channels, you have chosen from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed. All of the channels that you did not specifically choose to skip are displayed during scanning.

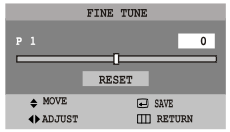


Method:
ENTER ➔ ▲/▼ ➔ **ENTER** : Select **Added** or **Deleted**.

Channel - Fine Tune

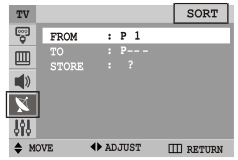
If the reception is clear, you do not have to fine-tune the channel, as this is done automatically during the search and store operation. If however the signal is weak or distorted, you may have to fine-tune the channel manually.

Method:
◀/▶ : You can obtain a sharp and clear picture and good sound quality.
▲/▼ ➔ **ENTER** : You can reset the setting.
MENU : You can memorise adjusted picture or sound.



Channel - Sort

This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store.

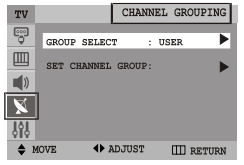


◆ **From:** Channel number to be changed.
◆ **To:** New channel number to be identified.
◆ **Store:** Confirmation the exchange of channel numbers.

Channel - Channel Grouping

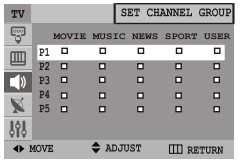
(depending on the model)

This function allows to group channels in different category like movie, music, news, sports & user.

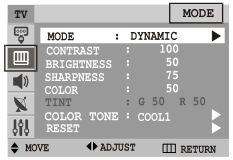


◆ It makes the channel retrievals easier.
◆ By selecting a particular category program ⌃ / ⌄ key navigates added channel in selected category only.

➢ This key▼ is used to select grouped channel category.

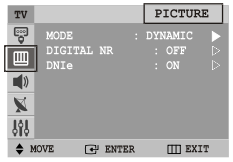


Picture - Mode



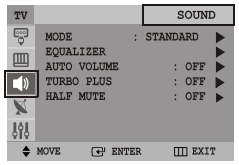
- **Mode: Dynamic/ Standard/Movie/Custom**
  You can select the type of picture which best corresponds to your viewing requirements.
  ➢ You can also press **TOOLS** buttons and enter **Picture mode** to use this function.
- **Contrast/Brightness/Sharpness/Color/ Tint**(NTSC only)
  The television has several settings which allow you to control the picture quality.
- **COLOR TONE : Cool2/Cool1/Normal/Warm1/ Warm2**
- **Reset**
  You can return to the factory defaults.
  The reset function is set for each mode (**Dynamic**, **Standard**, **Movie**, or **Custom**).

Picture / Digital NR / DNIe (depending on the model)



- **Size**(Optional)
  You can select the picture size which best corresponds to your viewing requirements. It is variable depending on the model.
- **Digital NR**
  If the signal received by the television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.
- **DNIe** (Digital Natural Image engine)
  This feature bring you more detailed image with detail enhancement, contrast enhancement and white enhancement. New image compensation algorithm gives brighter, clearer, much detailed image to you. **DNIe** technology will fit every signals into your eyes.

Sound- Mode/ Equalizer / Auto volume Turbo Plus/ Half Mute (depending on the model)

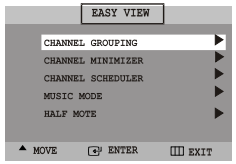


- **Mode: Standard/Music /Movie/Speech/Custom**
  You can select the type of special sound effect to be used when watching a given broadcast
  ➢ You can also press **TOOLS** buttons and enter **Sound mode** to use this function.
- **Equalizer**
  The television has several settings which allow you to control the sound quality.
  ➢ By adjusting frequencies 100, 1K & 10K Hz you can bring the changes in sound as per choice.
  ➢ If you make any changes to these settings, the sound mode is automatically switched to **Custom**.
  ➢ You can also press **TOOLS** buttons and enter **Sound mode** to use this function.
- **Auto Volume** (Optional)
  Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.
- **Turbo Plus**
  This feature suitably emphasizes both higher and lower bands of sound (and includes other effects). You can enjoy more magnificent and dynamic sound when watching music movie or other channels
  ➢ You can also press **TOOLS** buttons and enter **Turbo Plus** to use this function.

- **Half Mute** (depending on the model)
  This feature brings the volume level to half of the set level.
  By pressing mute key once brings the volume to half of the set level & by pressing twice brings the volume to full mute condition.
  This feature is useful when a sudden phone call or interruption comes while watching TV.
  ➢ You can also decrease the volume while in Mute condition to the desired level. Pressing the volume key releases the mute condition.

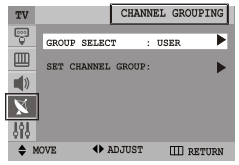
Easy View (depending on the model)

To go in Easy View Mode press **TOOLS** button and select easy view



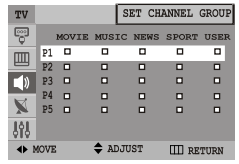
Channel Grouping (depending on the model)

This function allows to group channels in different category like movie, music, news, sports & user.



- It makes the channel retrievals easier.
- By selecting a particular category program ⌃ / ⌄ key navigates added channel in selected category only.

➢ This key▼ is used to select grouped channel category.



Channel Minimizer (depending on the model)

- Channel minimizer is a feature to minimize the programs on to dock at the bottom of the screen. Any of the program which are minimize to dock can be opened from dock. The dock just acts like the task bar on desktop where all opened applications are seen, selected & closed as per user choice at any time.

- **To add the channel in dock**
  Press enter key once to activate minimizer dock.
  Press▲key again to store the displayed channel on to the dock.

◆ **To display minimized channel from dock**

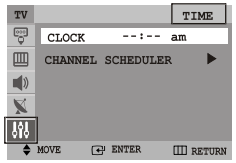
Press enter key ⏎ once to activate minimizer dock.
Press ◀ / ▶ key to select one of the minimized channel.
Press enter key ⏎ to display selected channel on to the screen.

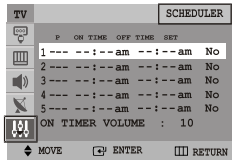
◆ **To delete minimized channel from dock**

Press enter key ⏎ once to activate minimizer dock.
Press ◀ / ▶ key to select one of the minimized channel to be deleted.
Press key ▼ to delete the selected channel from the dock.

◆ **Scheduler** (depending on the model)

Channel Schedular changes the channel automatically Schedular on preset time. You can schedule upto 5 channels as per your choice.
By selecting ON/OFF timer for each selected program the television will switch On/Off or switch to selected channel at the time you select.



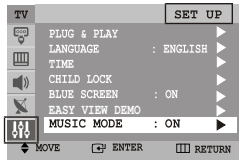


☛ You must set the clock first.

◆ **Music Mode** (depending on the model)

When music mode is selected only music is audible & no picture is visible. In this mode screen becomes blank & music icon is displayed on screen.

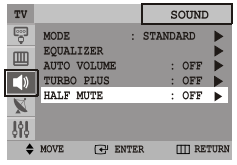
➢ This feature allows to prevent unauthorized user such as children from watching unsuitable picture by muting out video.



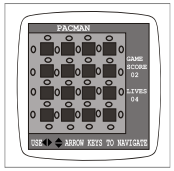
◆ **Half Mute** (depending on the model)

This feature brings the volume level to half of the set level.
By pressing mute key once brings the volume to half of the set level & by pressing twice brings the volume to full mute condition.
This feature is useful when a sudden phone call or interruption comes while watching TV.

➢ You can also decrease the volume while in Mute condition to the desired level. Pressing the volume ◢⊕ key releases the mute condition.



Enjoying Games (depending on the model)



Press the TOOL button and select Game to enter the Game mode .

◆**PACMAN**

PACMAN
The Game space is divided in two parts:
1.Game play space
2.Score / Level indicator
Object of the game is to eat all the circles appearing in the Square box, Player can move by pressing the ◀, ▶, ▲ or ▼ button. If the players happens to touch the Red Devils then the player losses one turn (total number of turns is five).
The score is obtained by eating the circles.
1 point is awarded for eating each circle. If player eats all the circles, he/she wins & proceeds to the next level.

The game ends in the following cases :
◆ If you press the Exit, Source & tool key
◆ If all the five lives are over

Troubleshooting (depending on the model)

Before contacting the Samsung after-sales service, perform the following simple checks. If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture
- ◆ Check that the mains lead has been connected to a wall socket.
- ◆ Check that you have pressed the ⏻ button (On/Off) and the **POWER** button.
- ◆ Check the picture contrast and brightness settings.
- ◆ Check the volume.

Normal picture but no sound
- ◆ Check the volume.
- ◆ Check whether the volume **MUTE** button on the remote control has been pressed.

No picture or black and white picture
- ◆ Adjust the colour settings.
- ◆ Check the input signal source

Sound and picture interference
- ◆ Try to identify the electrical appliance that is affecting the television, then move it further away.
- ◆ Plug the television into a different mains socket.

Blurred or snowy picture, distorted sound
- ◆ Check the direction, location and connections of your aerial.
  This interference often occurs due to the use of an indoor aerial.

Remote control malfunctions
- ◆ Replace the remote control batteries.
- ◆ Clean the upper edge of the remote control (transmission window).
- ◆ Check that the "+" and "-" ends of the batteries are inserted correctly.
- ◆ Check that the batteries are drained.

Automatic Degaussing to Remove Colour Patches

A degaussing coil is mounted around the picture tube, so you do not normally need to degauss the television manually.

If you move the television to a different position and color patches appear on the screen, you must:

- ◆ **Switch the television off by pressing the "⏻"(On/Off) button on the front panel**
- ◆ **Unplug the television from the wall socket**
- ◆ **Leave the television power-off for about 30 minutes so that the automatic degauss function can be activated, and then plug in the television set & press the "POWER ⏻ " button on the front panel.**

☛ **If your television will be left unattended, please unplug the TV from the wall socket**

◆ **No electromagnetic instrument (Toys, motor) or strong permanent magnetic devices should be close to TV set.**

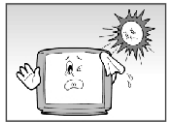
OSD Map

✻ : It is variable depending on the model.

Input	– Source List ✻	– TV/AV/Component
Picture	– Mode	– Dynamic / Standard / Movie / Custom Contrast Brightness Sharpness Color Tint (NTSC only) Color Tone – Cool2 / Cool1 / Normal / Warm1 / Warm2 Reset
	– Digital NR ✻	– Off / On
	– DNIe ✻	– Off / On
Sound ✻	– Mode ✻	– Standard / Music / Movie / Speech / Custom
	– Equalizer ✻	– 100, 1K, 10K
	– Auto Volume ✻	– Off / On
	– Turbo Plus ✻	– Off / On
	– Half Mute ✻	– Off / On
Channel	– Auto Store	– Search
	– Turbo Store	– Search
	– Manual Store	– Programme – Sound System ✻ – BG / DK / I / M – Search – Store
	– Add/Delete	
	– Fine Tune	
	– Sort	
	– Channel Grouping ✻	– Group Select – Set channel group
Setup	– Plug & Play ✻	
	– Language ✻	
	– Time	– Clock – Channel Scheduler ✻
	– Child Lock	– Child Lock – Programme – Lock
	– Blue Screen	– Off / On
	– Easy View Demo	
	– Music Mode ✻	– Off / On

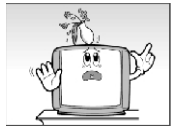
CLEANING AND MAINTAINING YOUR TV

With proper care, your TV unit will give you many years of service.
Please follow these guidelines to get the maximum performance from your TV.



Placement

Do not place the TV near extremely hot, cold, humid or dusty places.
Do not the expose the TV to direct sunlight.

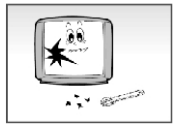


Liquids

Do not handle liquids near or on the TV.
Liquids thats pill into it can cause serious damage.
Wipe your TV with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.

Servicing

Never open the cabinet or touch the parts inside.
Do not put heavy objects on top of the cabinet.
If TV is not working,do not try to repair it yourself.
Contact authorized Samsung service centre ·
For online servicing request visit http://www.samsung.com/in



Temperature

If your TV is suddenly moved from a cold to a warm place, unplug the power cord, and allow at least two hours for moisture that may have formed inside the unit to dry completely.
Do not cover your TV through cloth at back side.
It may increase the temperature of TV. Which may cause of failure.
Do not keep your TV inside of any closed TV trolley /closed cover area/ Closed wooden cabinet it may increase the temperature of TV.
Which may cause of failure.